

Title (en)

PROCESS FOR ACTING BY THERMOCAPILLARY CONVECTION ON A FLUID IN A MICROFLUIDIC CIRCUIT

Title (de)

VERFAHREN ZUM EINWIRKEN MITTELS THERMOKAPILLARER KONVEKTION AUF EIN FLUID IN EINER MIKROFLUIDISCHEN SCHALTUNG

Title (fr)

PROCÉDÉ POUR AGIR PAR CONVECTION THERMOCAPILLAIRE SUR UN FLUIDE DANS UN CIRCUIT MICROFLUIDIQUE

Publication

EP 1835994 A1 20070926 (FR)

Application

EP 05788667 A 20050707

Priority

- FR 2005001756 W 20050707
- FR 0407988 A 20040719

Abstract (en)

[origin: WO2006018490A1] A microfluidic circuit comprising microchannels (24, 26) containing different fluids (F1, F2) on an interface (30), whereby a laser beam thereof is focussed (32) in order to form a pump, valve or a mixer for example.

IPC 8 full level

B01L 3/00 (2006.01); **B01J 19/00** (2006.01)

CPC (source: EP US)

B01F 33/05 (2022.01 - EP US); **B01F 33/054** (2022.01 - EP US); **B01F 33/3034** (2022.01 - EP US); **B01L 3/50273** (2013.01 - EP US); **B01L 3/502738** (2013.01 - EP US); **F04B 19/24** (2013.01 - EP US); **F16K 99/0001** (2013.01 - EP US); **F16K 99/0019** (2013.01 - EP US); **F16K 99/004** (2013.01 - EP US); **B01J 2219/00889** (2013.01 - EP US); **B01J 2219/00934** (2013.01 - EP US); **B01L 3/502761** (2013.01 - EP US); **B01L 2200/0673** (2013.01 - EP US); **B01L 2300/0867** (2013.01 - EP US); **B01L 2400/0406** (2013.01 - EP US); **B01L 2400/0442** (2013.01 - EP US); **B01L 2400/0454** (2013.01 - EP US); **F16K 2099/0074** (2013.01 - EP US); **Y10T 137/2076** (2015.04 - EP US); **Y10T 137/2191** (2015.04 - EP US); **Y10T 137/2196** (2015.04 - EP US)

Citation (search report)

See references of WO 2006018490A1

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